

WHAT IS CLAIMED IS:

1. A printed note deposit machine, comprising:

a user recognition unit identifying a user with an authenticated person;

an inlet unit serving as a receiving teller in which printed notes are deposited;

a dispensing unit receiving printed notes deposited in the inlet unit to dispense them in sequence;

an identifying unit classifying the dispensed printed notes into four categories of authenticated notes, counterfeit notes, unidentifiable notes, and rejected notes, and identified them with the four categories;

a temporary money holder temporarily storing the authenticated, counterfeit, and unidentified notes but the rejected ones therein;

a plurality of storage cells storing the printed notes after they are temporarily stored in the previous stage; and

a rejection unit accumulating the printed notes identified with the rejected notes by the identifying unit to return them to the user.

2. The printed note deposit machine according to claim 1, wherein in response to an instruction to store the deposited printed notes, the authenticated notes temporarily stored in the temporary money holder are stored in any of the plurality of the storage cells while, in response to an instruction to return the deposited printed notes, the authenticated notes temporarily stored in the temporary money holder are transferred to the rejection unit and then to the inlet unit to return them to the user, and in either case of storing or returning the authenticated notes, the counterfeit and unidentifiable notes are stored in the

plurality of the storage cells.

3. The printed note deposit machine according to claim 1, wherein the temporary money holder is single in number.

4. The printed note deposit machine according to claim 1, wherein the identifying unit includes a serial number reader unit to read a serial number unique to each of the printed notes.

5. The printed note deposit machine according to claim 1, wherein the identifying unit includes a memory in which a printed note information is stored, the printed note information being resulted from surveying the printed notes immediately after deposit by each of a plurality of detection sensors and classifying the survey data into the four categories to save the particulars of the printed notes.

6. The printed note deposit machine according to claim 1, further comprising a memory unit storing a user information from the user identification unit, the printed note information from the identifying unit, and a machine information relating each of the printed notes with the machine used to identify them.

7. The printed note deposit machine according to claim 1, further comprising a communication unit externally transferring the user information from the identification unit, the printed note information from the identification unit, and the machine information on the machine used to identify the printed notes.

8. A printed note deposit system, comprising:

a plurality of the printed note deposit machines as defined in Claim 7;

a database apparatus installed in a central office and receiving transaction data from the memory of each of the printed note deposit machines to accumulate the transaction data; and

a trace unit matching the transaction data accumulated in the database apparatus with transaction data on the detected counterfeit or unidentified notes to track down a user of the unauthenticated notes.